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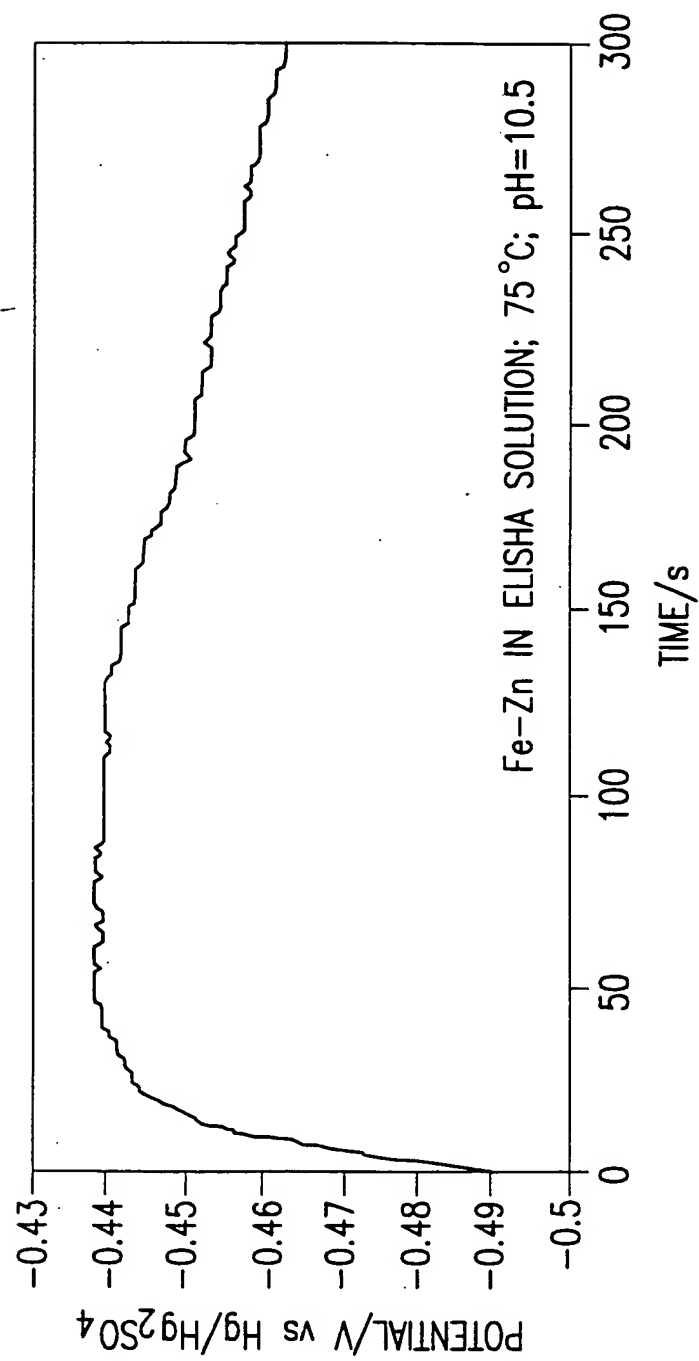
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OPEN CIRCUIT POTENTIAL

FIG.1

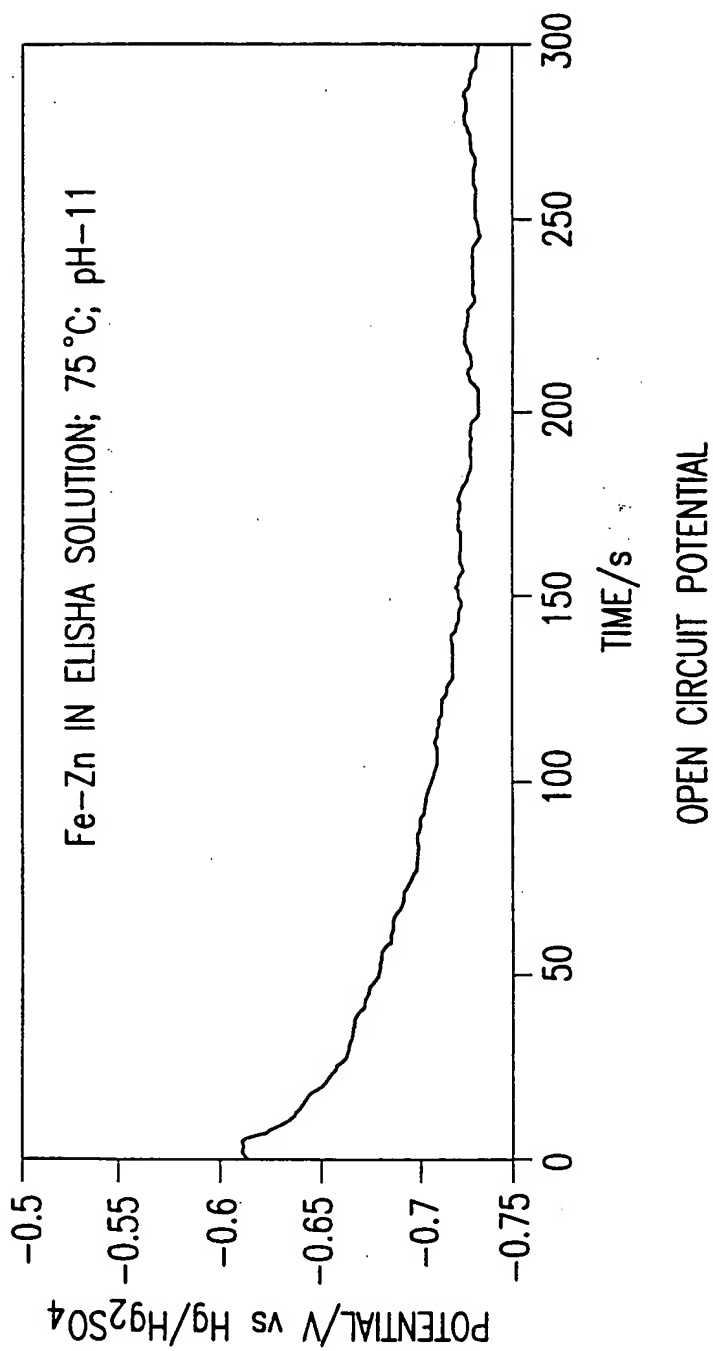
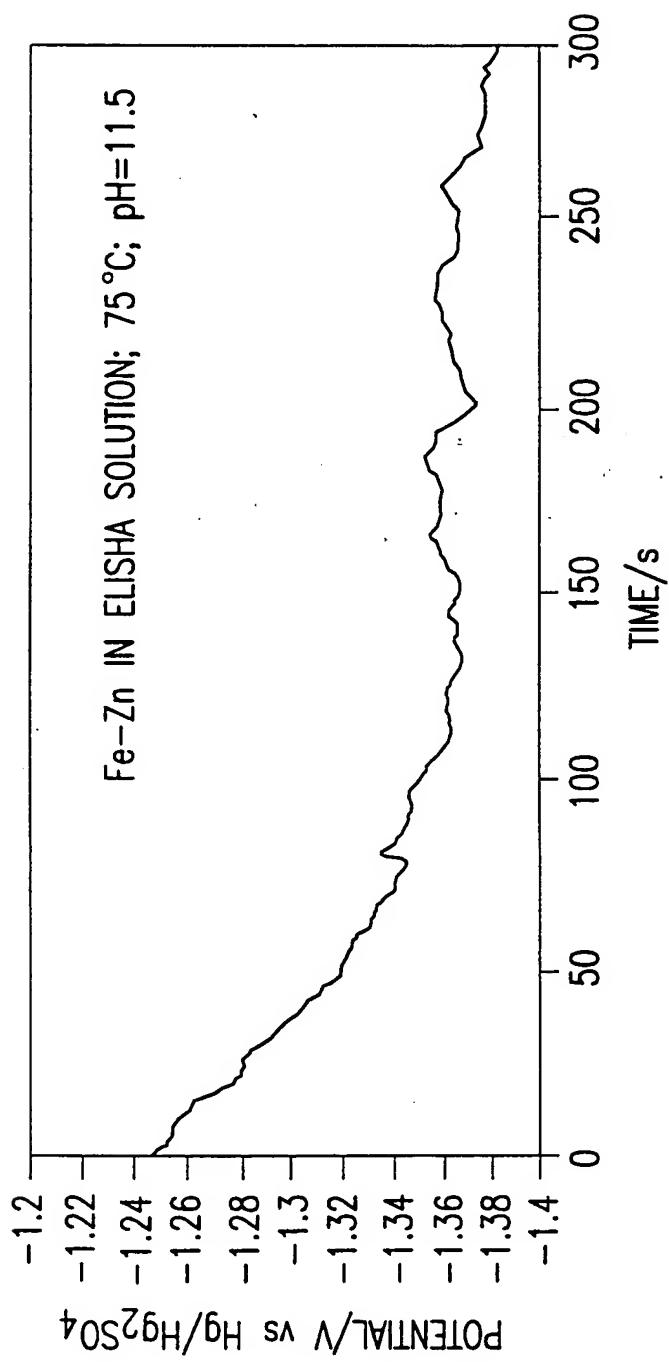


FIG.2



OPEN CIRCUIT POTENTIAL

FIG.3

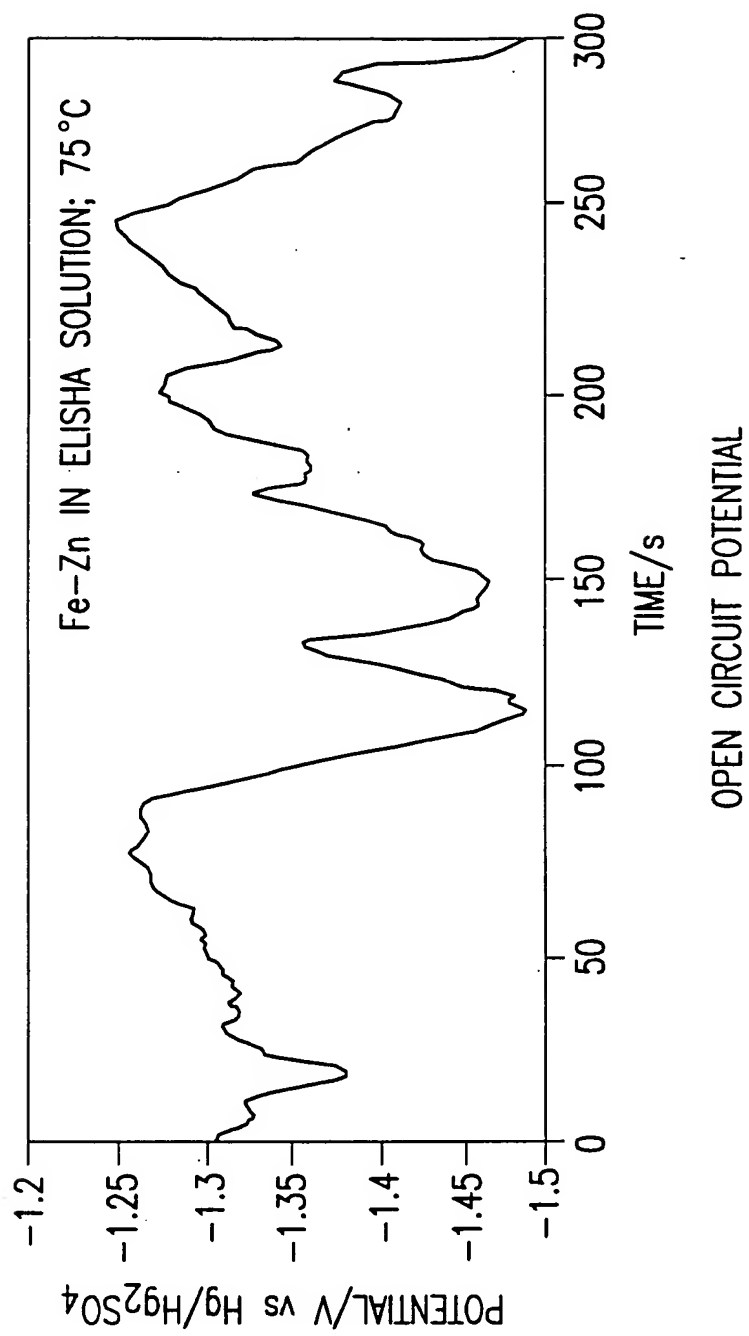
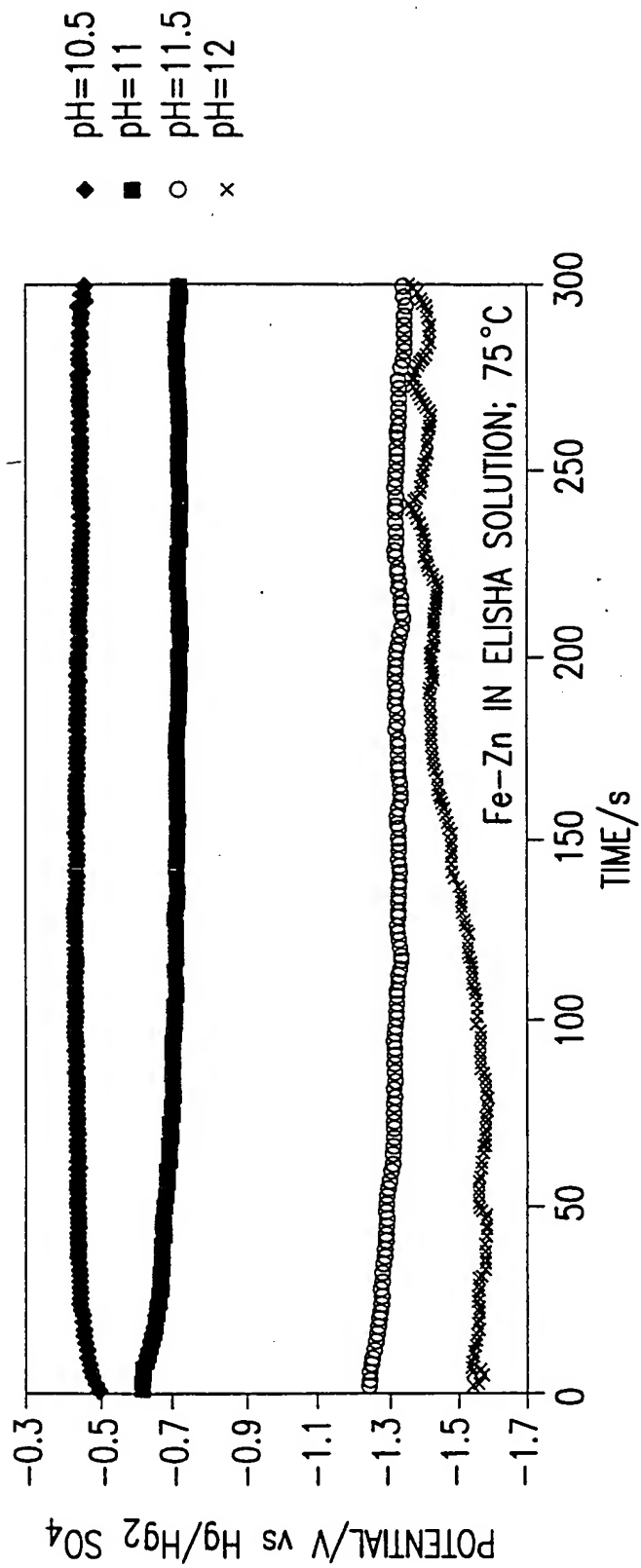
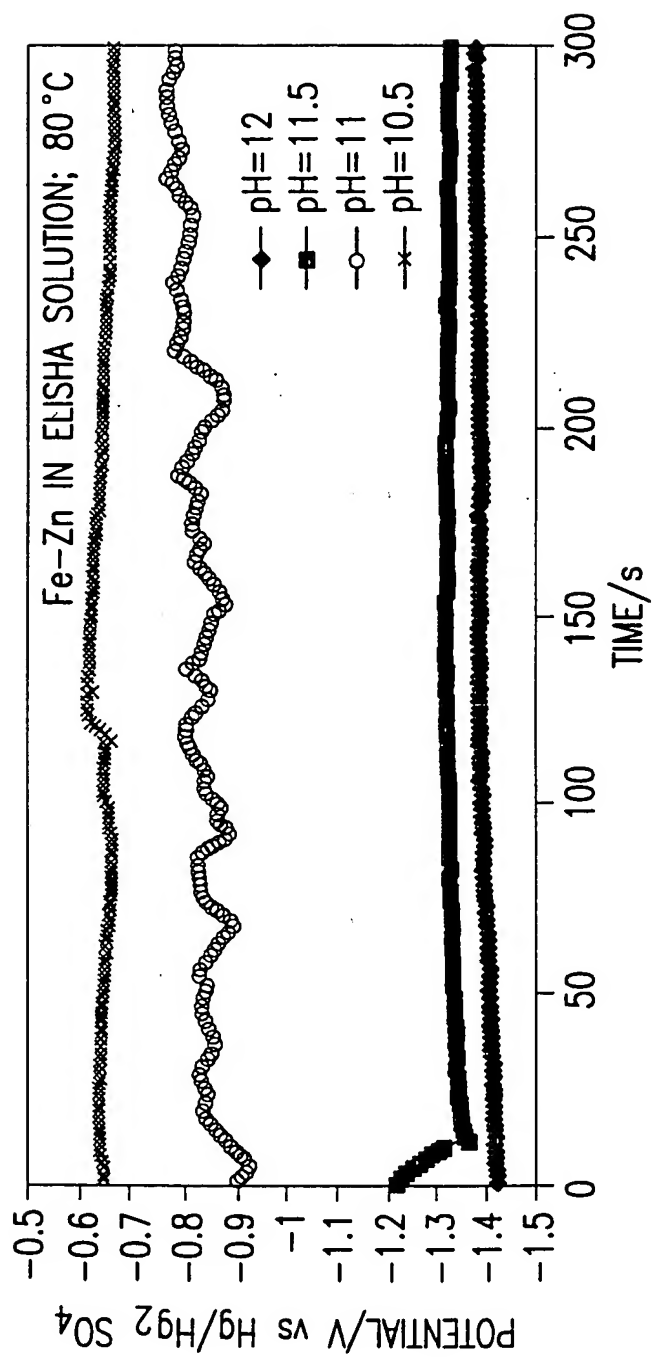


FIG.4



OPEN CIRCUIT POTENTIAL

FIG.5



OPEN CIRCUIT POTENTIAL

FIG.6

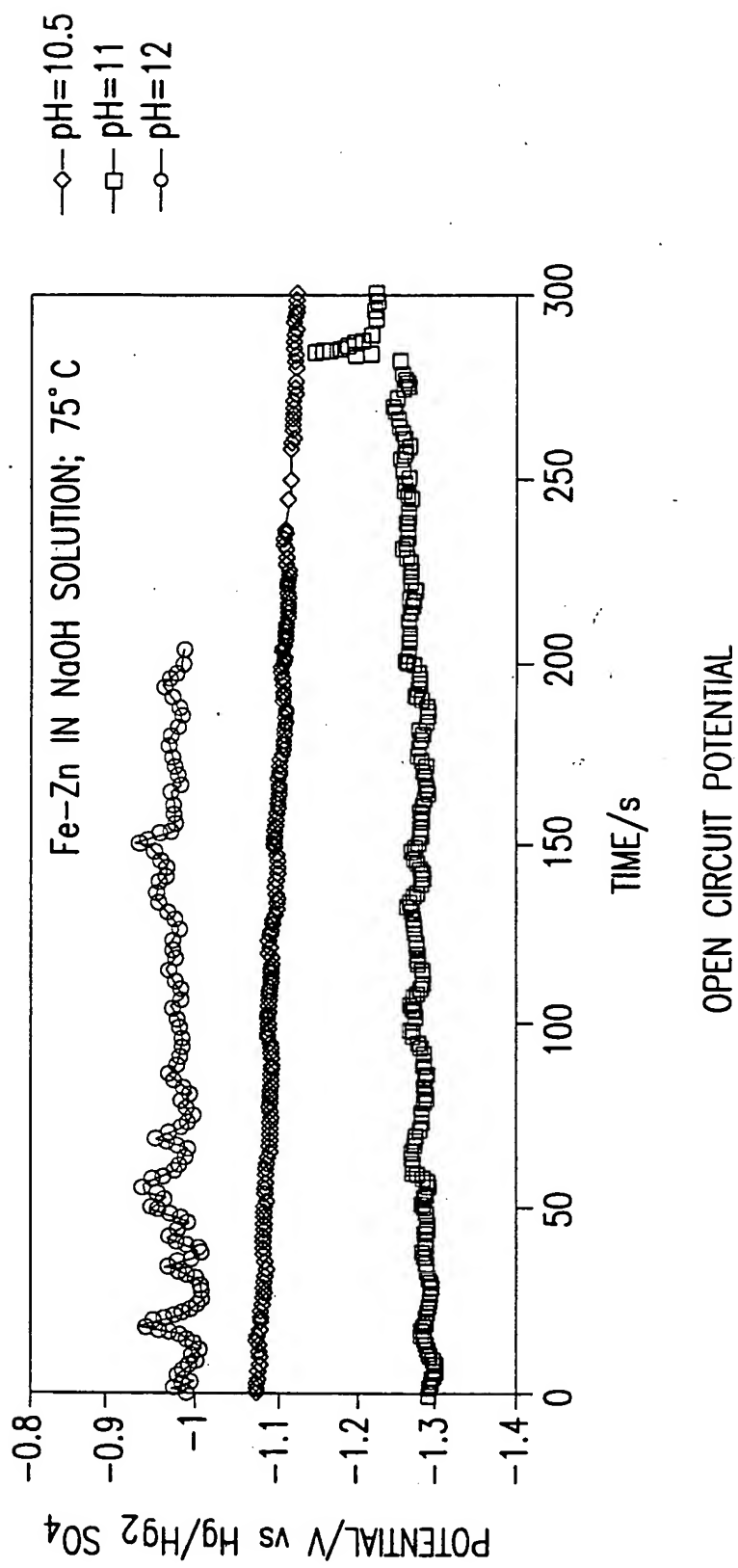


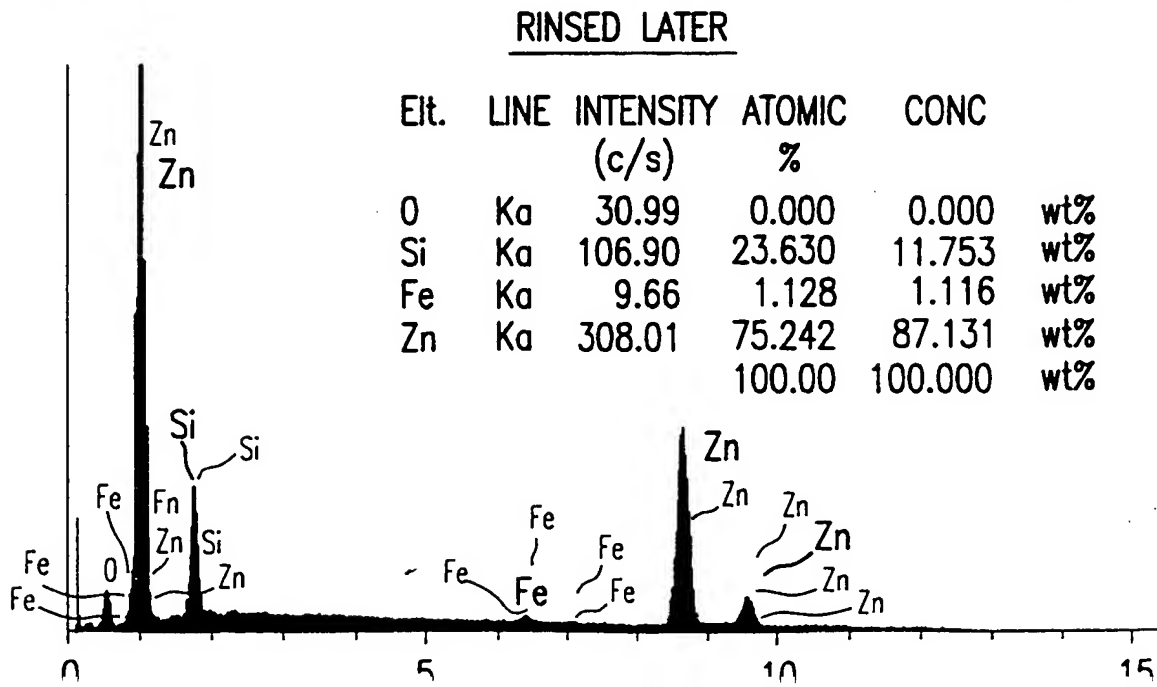
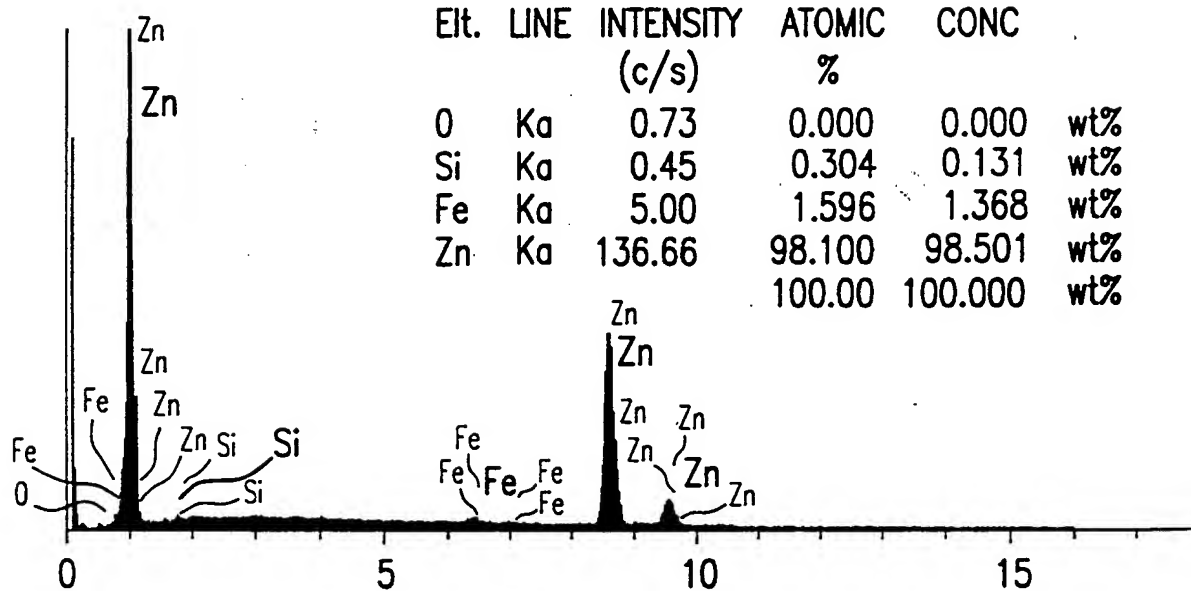
FIG.7

SEM & EDAX ANALYSIS OF SAMPLES RINSED IMMEDIATELY AND RINSED LATER

FIG.8



MAGNIFICATION-1000 X



COMPARISON OF Si CONTENT FOR SAMPLES MINERALIZED IN 1:3
PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF
SODIUM BOROHYDRIDE

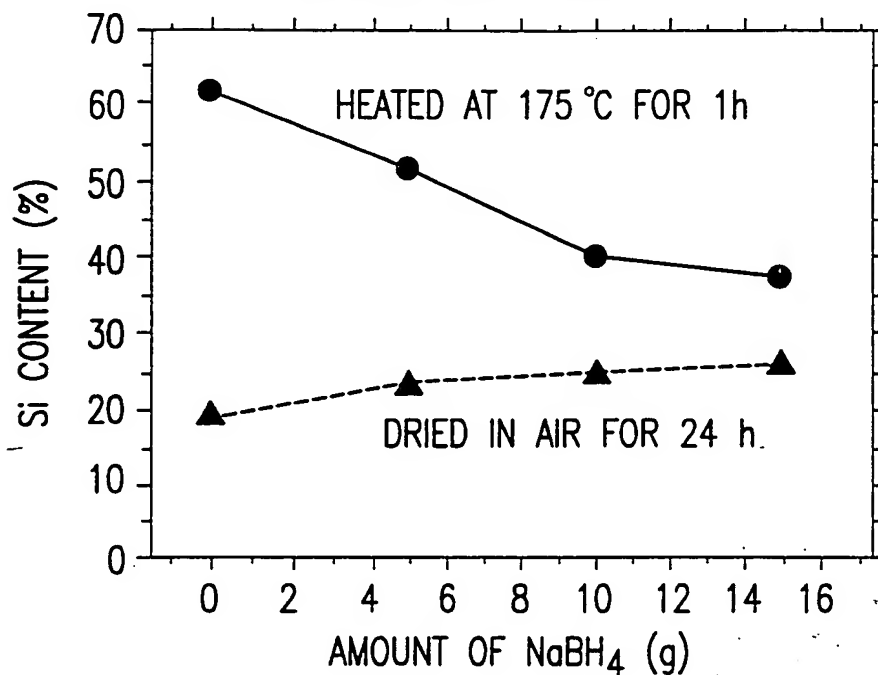


FIG.9

DROP IN CORROSION RESISTANCE FOR SAMPLES MINERALIZED
IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT
AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT IN WATER FOR 1 WEEK

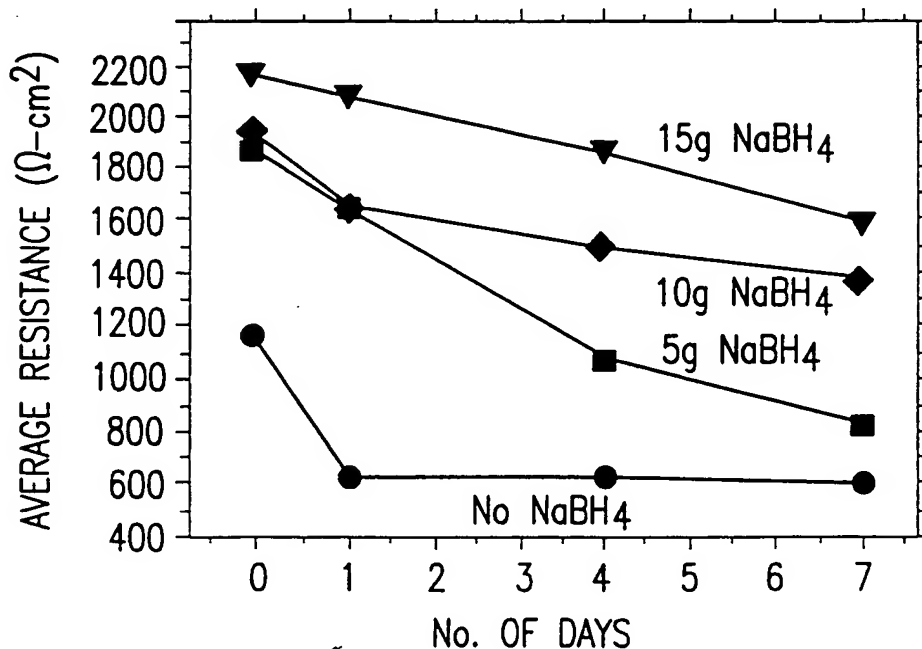


FIG.10

DROP IN CORROSION RESISTANCE FOR SAMPLES MINERALIZED
IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT
AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE DRIED AT 175°C
FOR 1 HOUR AND LEFT IN WATER FOR 1 WEEK

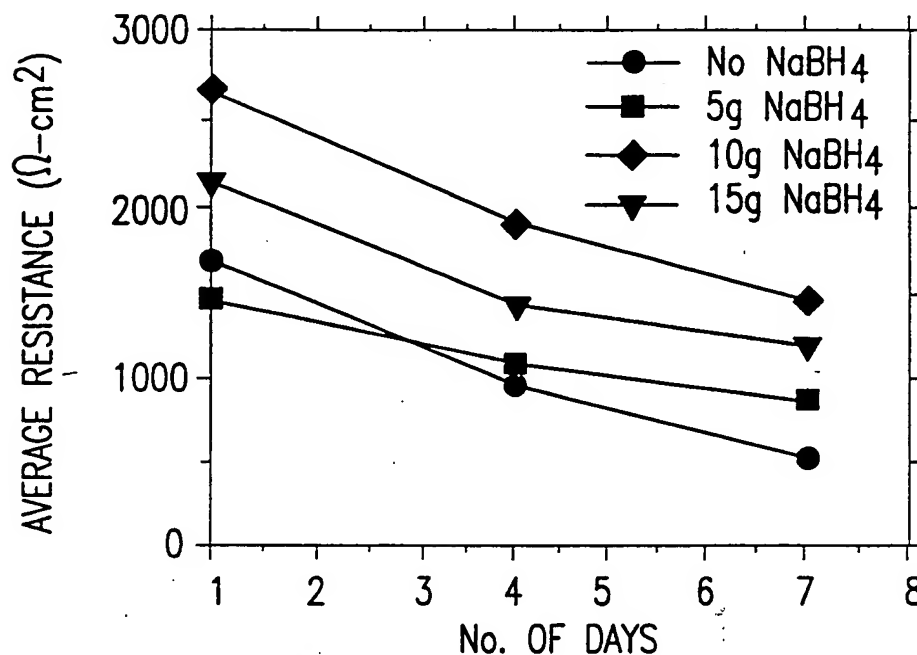


FIG.11

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND
WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN THE AIR FOR 24 HOURS

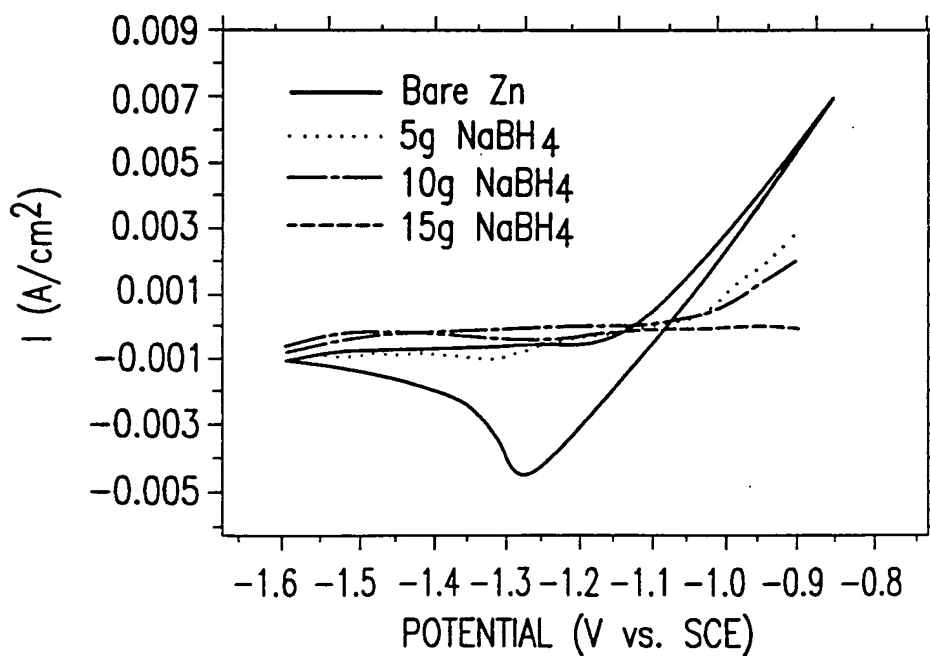


FIG.12

INHIBITING EFFICIENCY OBTAINED FROM CVs FOR SAMPLES
MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND
WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN AIR FOR 24 HOURS

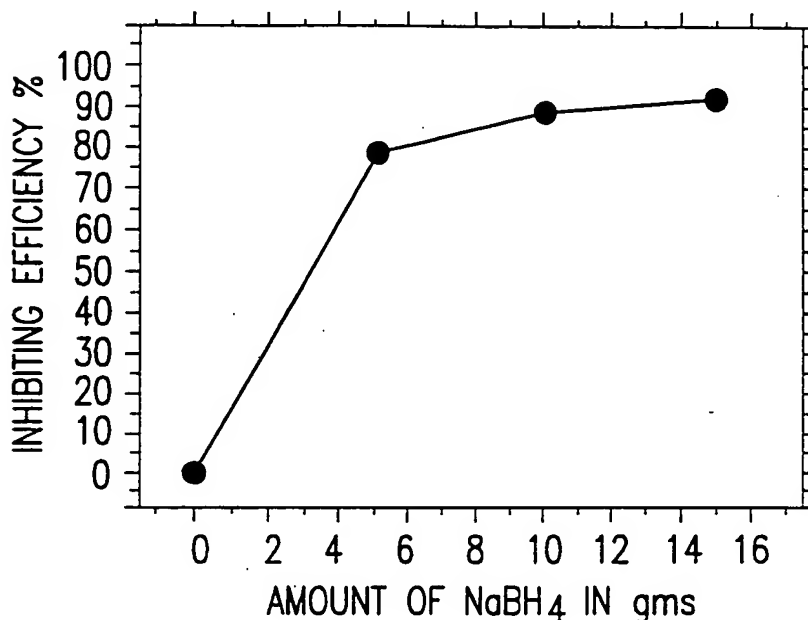


FIG.13

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO
CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE HEATED AT 175 °C FOR 1 HOUR

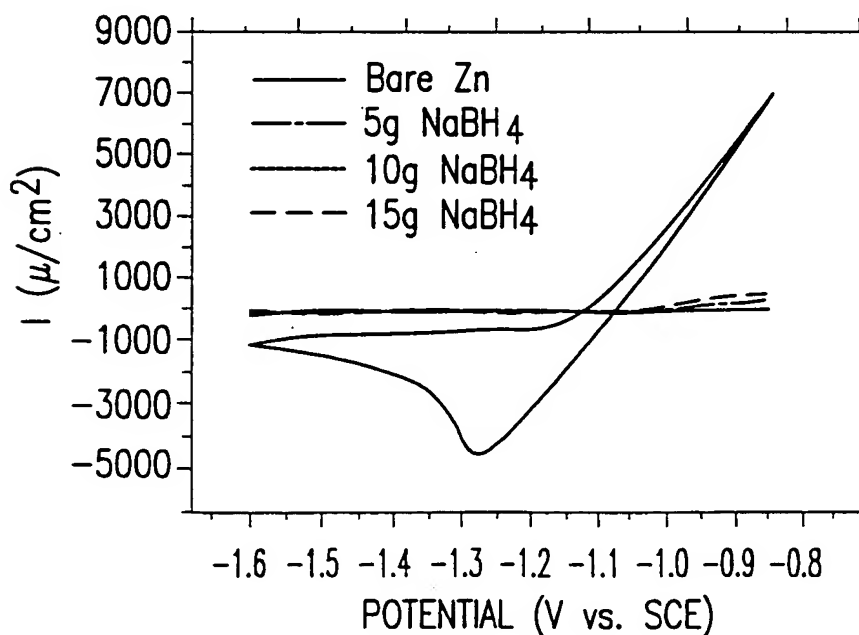


FIG.14

INHIBITING EFFICIENCY OBTAINED FROM CVs FOR SAMPLES
MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH
DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE HEATED AT 175 °C FOR 1 HOUR

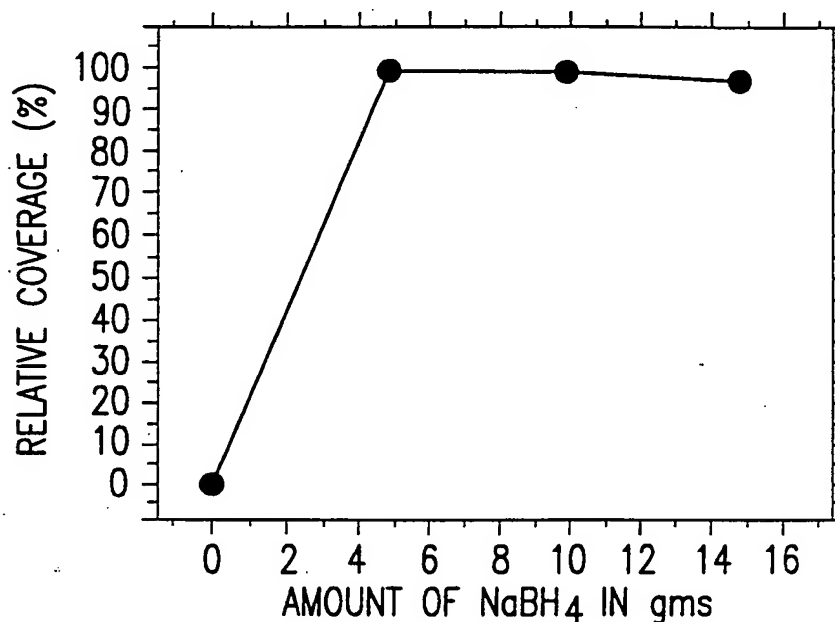


FIG.15

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO
CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT IN WATER
FOR 1 WEEK

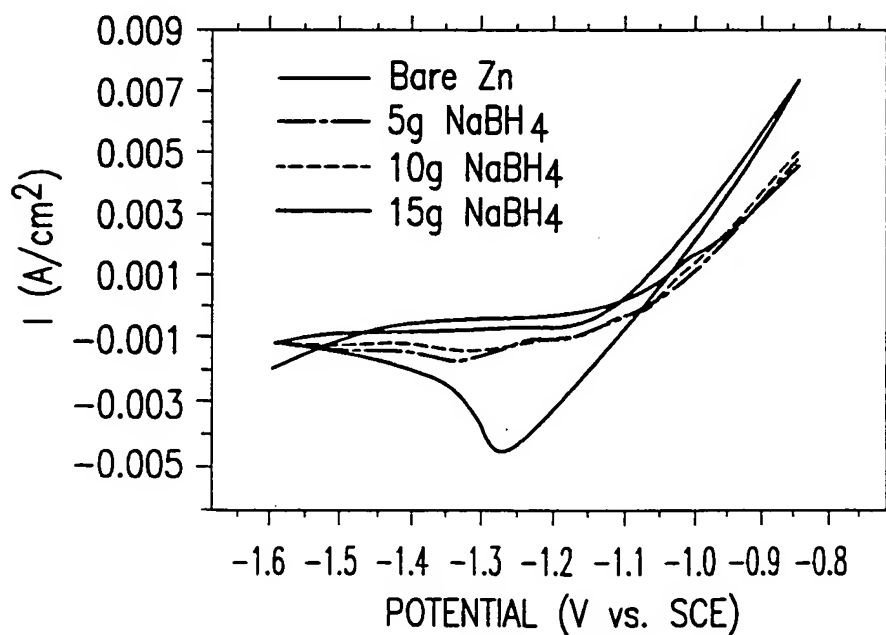


FIG.16

CHANGE IN THE INHIBITING EFFICIENCY FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
 SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT
 IN WATER FOR 1 WEEK

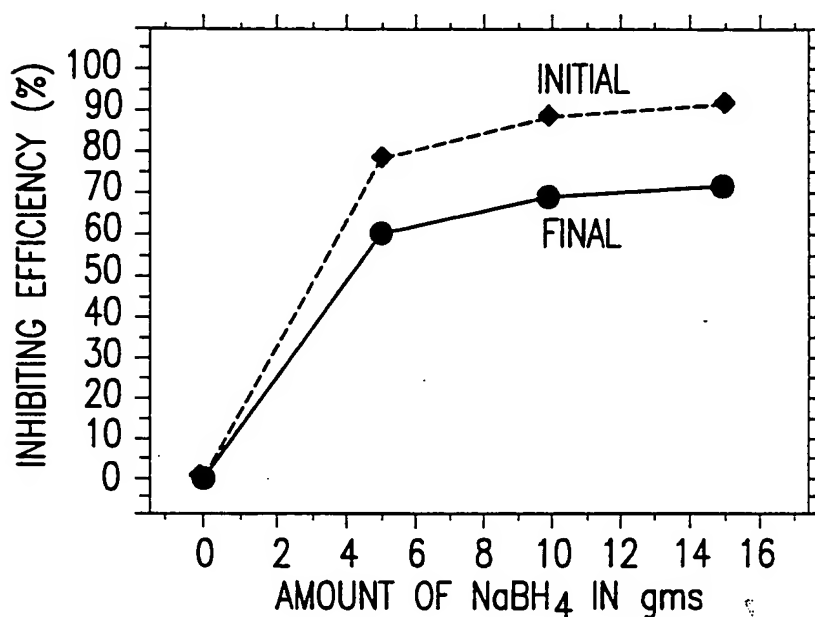


FIG.17

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
 SAMPLES WERE DRIED AT 175°C FOR 1 HOUR AND LEFT IN WATER
 FOR 1 WEEK

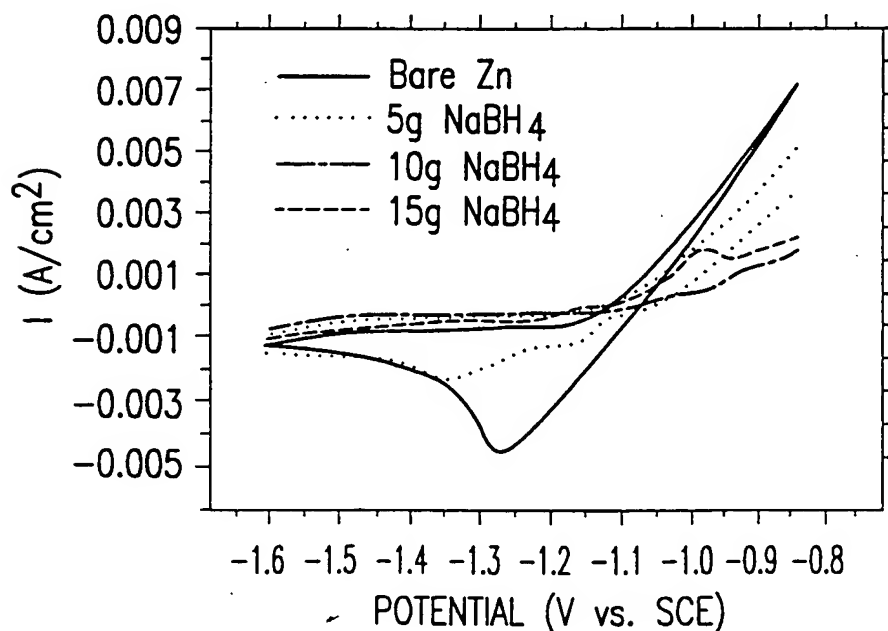


FIG.18

CHANGE IN THE INHIBITING EFFICIENCY FOR SAMPLES
MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH
DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED AT 175°C FOR 1 HOUR AND LEFT IN WATER FOR 1 WEEK

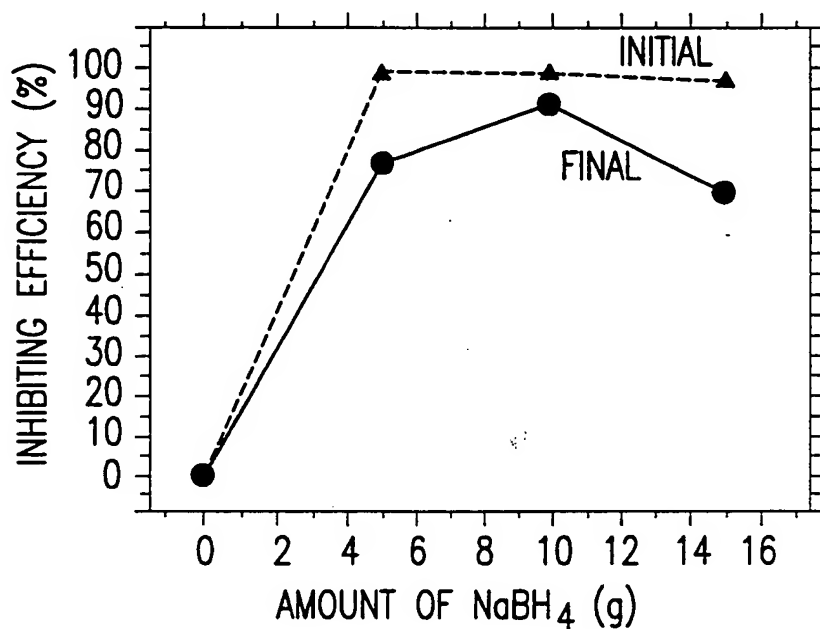
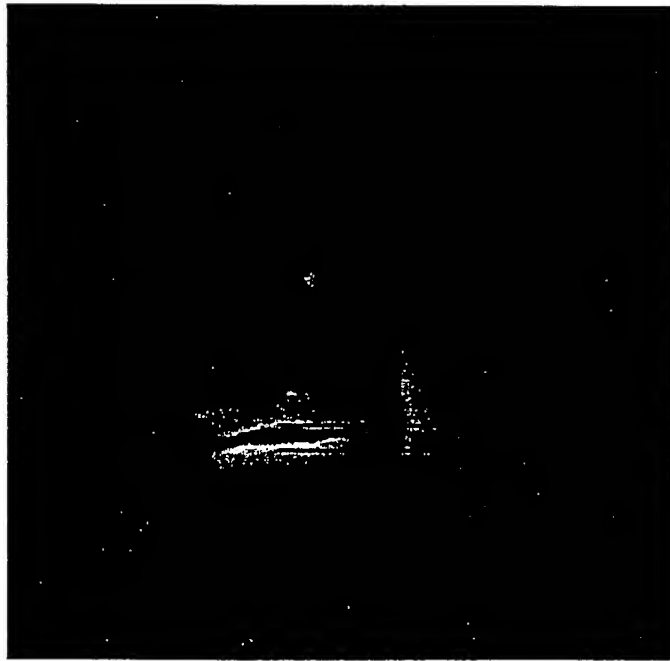


FIG.19

Change in Morphology for sample mineralized in 1:3 PQ solution with no current and with 10g/L of sodium Borohydride
Samples were heated at 175° C for 1 hour.

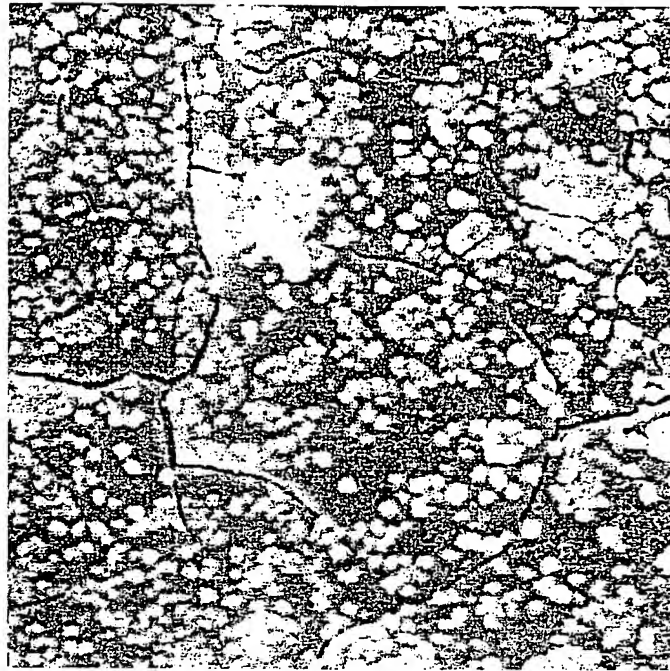
Before Corrosion



2μm

Magnification:2000X

After Corrosion



Magnification:500X

FIG.20

CHANGE IN Si CONCENTRATION FOR SAMPLES MINERALIZED IN
1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN AIR FOR 24 HOURS
AND LEFT IN WATER FOR 1 WEEK

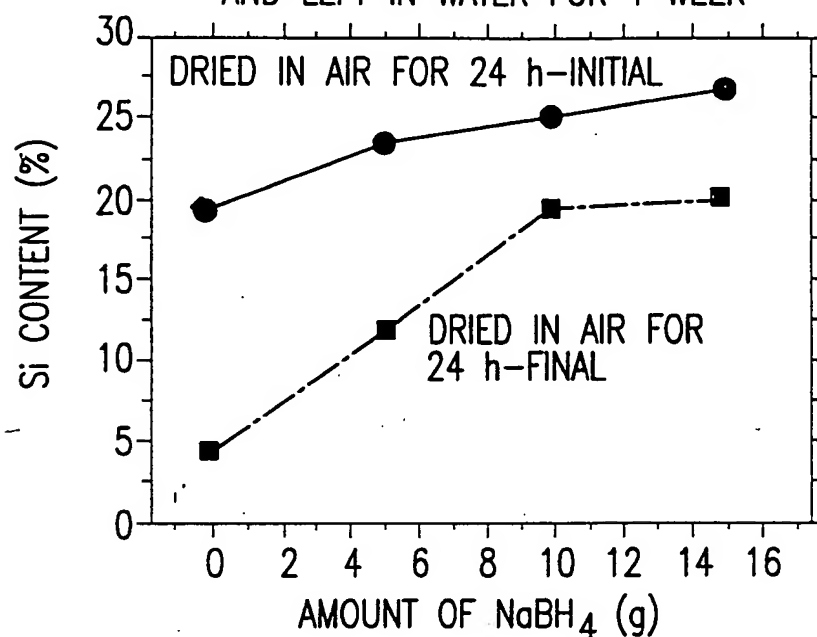


FIG.21

CHANGE IN Si CONCENTRATION FOR SAMPLES MINERALIZED IN
1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE
SAMPLES WERE DRIED IN AIR FOR 24 HOURS
AND LEFT IN WATER FOR 1 WEEK

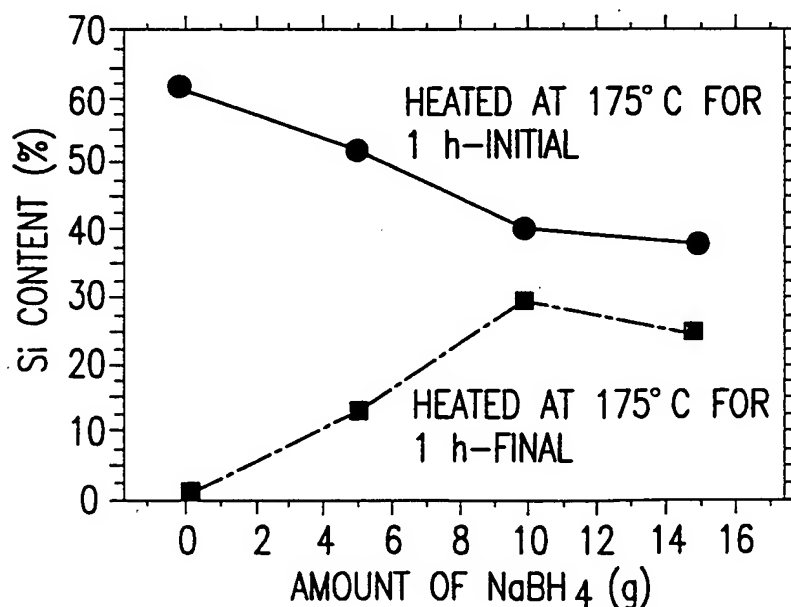


FIG.22